

# INTERNATIONAL SEARCH REPORT

Intern Application No  
PC1, 2004/004871

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 A61B5/00 A61N5/06**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 A61N H01L A61B**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**EPO-Internal**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/043697 A (THE UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS; TAYSIDE UNIVERSI) 30 May 2003 (2003-05-30) page 12, paragraph 2 - paragraph 3	1-8, 12-14
Y	-----	9,10
Y	EP 1 138 349 A (PHOTO THERAPEUTICS LIMITED) 4 October 2001 (2001-10-04) paragraph [0036]	9,10
X	US 6 514 075 B1 (JACOB GREGORY S) 4 February 2003 (2003-02-04) column 11, line 33 - line 42	1-5
X	US 6 096 066 A (CHEN ET AL) 1 August 2000 (2000-08-01) column 2, line 59 - line 65 column 3, line 52 - column 4, line 17	1-8, 12-14
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

**16 February 2005**

Date of mailing of the international search report

**09 MAY 2005**

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

Interr I Application No  
PCT/US2004/004871

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 986 112 A (AGILENT TECHNOLOGIES, INC.) 15 March 2000 (2000-03-15) abstract paragraphs [0011], [0018] -----	1-5,9,10
X	US 5 977 718 A (CHRISTENSEN ET AL) 2 November 1999 (1999-11-02) abstract column 3, line 56 - line 64 column 4, line 61 - line 63 column 6, line 20 - line 38 -----	1-5,9,10

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International application No.  
PCT/GB2004/004871

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: 30, 31, 35, 36 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-10; 12-14

Remark on Protest

- The additional search fees were accompanied by the applicant's protest  
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 30,31,35,36

Claims 30, 31, 35, 36 only contain a global reference to the description and drawings. Therefore, it is not clear what is the scope of the claims and consequently, a meaningful search is not possible (Articles 6 and 17(2) EPC).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10, 12-14

Medical light source comprising flexible light emitting diodes arranged to emit mutually distinct wavelengths.

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2. claims: 11, 22-26, 29

Medical light source comprising a flexible substrate with a photodetector

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3. claims: 15, 27, 28

Medical light source comprising flexible light emitting diodes in which the light emitting diode comprises a triplet emitter.

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4. claims: 16-21, 32-34

Light emitting diode comprising one or more components arranged to wavelength-shift the emitted light.

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**INTERNATIONAL SEARCH REPORT**

Intern.	Application No
PCT, ...	2004/004871

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03043697	A	30-05-2003		AU 2002343022 A1 CA 2464316 A1 EP 1444008 A2 WO 03043697 A2 GB 2382991 A ,B GB 2393912 A ,B US 2005070976 A1		10-06-2003 30-05-2003 11-08-2004 30-05-2003 18-06-2003 14-04-2004 31-03-2005
EP 1138349	A	04-10-2001		GB 2360459 A AT 276014 T AU 2980701 A CA 2341951 A1 DE 60105473 D1 EP 1138349 A2 EP 1457234 A2 GB 2360460 A ,B GB 2360461 A ,B GB 2370992 A ,B JP 2002065875 A US 2004127961 A1 US 2002029071 A1		26-09-2001 15-10-2004 27-09-2001 23-09-2001 21-10-2004 04-10-2001 15-09-2004 26-09-2001 26-09-2001 17-07-2002 05-03-2002 01-07-2004 07-03-2002
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EP 0986112	A	15-03-2000	EP	0986112 A2		15-03-2000
US 5977718	A	02-11-1999		NONE		